

## Patent Proceedings Filed

# STEP Team Finds Wire Overhang Solution

Northwestern Steel and Wire Company's STEP (Security Through Employee Participation) Labor Management Participation Team has found a solution to overhang on the stay wire on the No. 2 Electro-Weld Machine that could save the Company \$1,000 a week.

The new design is believed to be the first feed system of its type in the industry and **Mike Mullen**, Vice President — Operations — Wire Products Division, has requested that **Charles Bosco**, Electrical Engineer, prepare the necessary data on his installation to seek a patent.

The overhang on the Electro-Weld machine will be reduced from six inches to approximately 3/8" - which amounts to a 94% reduction of overhang.

As the result of the new feed system there will be a significantly reduced amount of wire used, reduced scrap, and increased productivity. According to **Wendy Davis**, LMPT Facilitator, another major advantage of the new wire feed system will be significantly reduced mechanical maintenance delays now that some major moving parts have been eliminated.

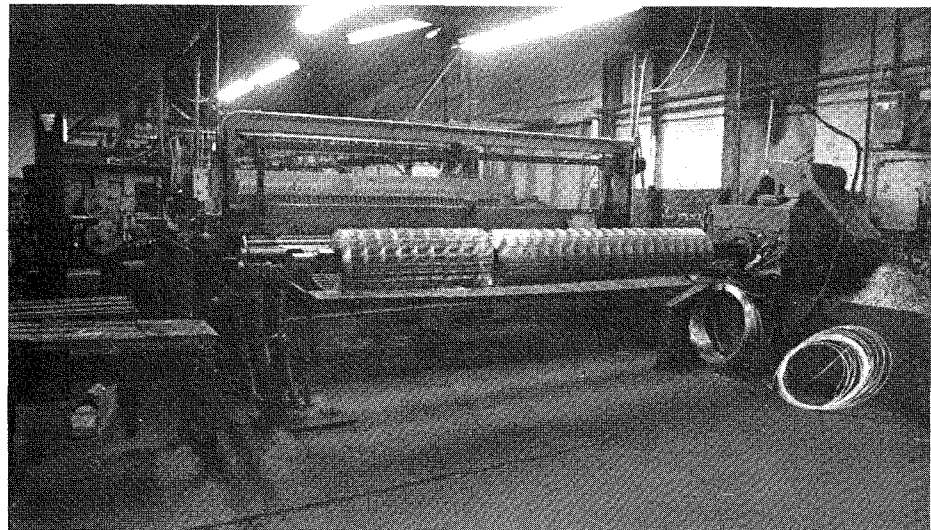
Bosco, **Don Morgan**, Project Engineer, and **Barry Johnson**, draftsman, designed and developed the new feed system.

The estimated total cost of the project is expected to be less than \$7,000.

### **RISE Team**

The RISE Team (Resolving Issues Serves Everyone) made its fourth formal presentation to the Steering Committee on April 28. The presentation by the RISE Team dealt with a problem at the bailer area and the No. 14 Electro-Weld machine.

The area involved consists of the bin area where fencing accumulates during  
(continued on page 4)



**The No. 2 Electro-Weld Machine at Northwestern's Plant 4 will soon have a new wire feed system that will precisely feed wire into the machine so there is only a minimal amount of waste. The Company could save up to \$1,000 a week once the new system is installed. It is believed that the equipment, designed by Don Morgan, Charles Bosco and Barry Johnson, would be the first of its kind in the industry and patent proceedings are now underway.**

## Northwestern Announces 3rd Quarter Profit

Net sales for the third fiscal quarter ended April 30, 1986 amounted to \$100.0 million, up 40% over the comparable prior year quarterly period. Shipments during the 1986 third period of 311,973 net tons increased by 54% over the 1985 fiscal third quarter level of 202,560 net tons. Although volume increases have been achieved, market prices remain low due to continuing aggressive price competition from both domestic and foreign producers.

We are pleased to report the third successive quarter of positive net income. Fiscal third quarter net income of \$2.6 million, or \$.34 per share, compared with a net loss of \$5.9 million in the same period last year.

Fiscal year to date net sales of \$260.9 million on shipments of 818,817 net tons, with net income of \$4.0 million compares with nine months of fiscal 1985 net sales of \$186.3 million on shipments of 532,252 net tons with a net loss of \$30.4 million.

In the Company's Annual Report for the fiscal year ended July 31, 1985, our independent public accountants issued a qualified opinion concerning the Company's financial condition. As a result of the Company's profitability and improved financial condition, Arthur Andersen & Co. reissued its 1985 auditors' report as unqualified. The Company on May 5, 1986 filed Form 8  
(continued on page 3)

## Johnstown Corp. Evades Shutdown - Becomes Top NSW Supplier

It could be said that Johnstown Corporation is a new company with a past.

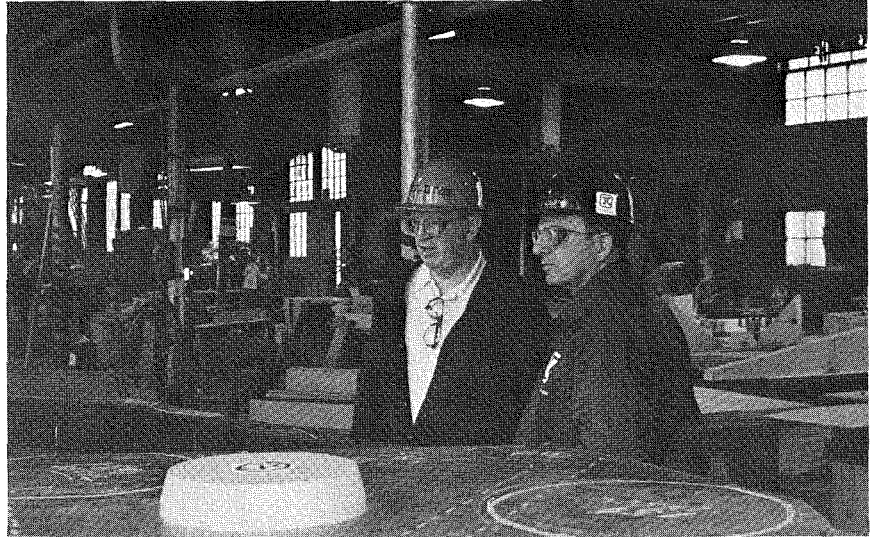
In July, 1984, headed by four ambitious individuals -- **Jack Sheehan, Joe Wilson, Bruce Horn, and Clyde Smith** -- a group of local business leaders completed buyout arrangements with U.S. Steel for its Johnstown Works Plant.

Sheehan was a former Johnstown resident who returned to help found the Company. He had been on the Federal Reserve Board. Wilson, Horn and Smith are former U.S. Steel employees.

Since September of 1985 Northwestern Steel and Wire Company has been an active customer of Johnstown Corporation, buying most of our rolling mill rolls from the Company. Mill rolls are the steel cylinders which form the steel from billets, blooms or beam blanks, into the various products that Northwestern produces.

According to **Wally Hartman**, Director of Purchasing at Northwestern, the Company purchases between \$2.25 million and \$2.5 million worth of mill rolls a year. Many of the purchased rolls now come from Johnstown. "Their pricing has become extremely competitive. They beat everybody, both foreign and domestic," Hartman said. "Needless to say, since we began doing business with them in September of 1985, we have purchased the vast majority of our mill rolls from Johnstown."

Under U.S. Steel's direction, Johnstown was primarily a roll production shop for other facilities within the United States Steel Corporation.



**Jack Sheehan (left) and Joe Wilson discuss business while walking through the plant at Johnstown Corporation. Sheehan and Wilson, along with Bruce Horn and Clyde Smith, were instrumental in forming Johnstown Corporation, through a buyout arrangement with U.S. Steel Corp.**

Johnstown had lost \$18 million in its last two years of operation and consequently announced on Dec. 27, 1983 that it planned to close the plant.

The creative efforts of Sheehan, Wilson, Horn, and Smith, along with the town fathers of the Johnstown Area Regional Industries, led to loans and financing which made the creation of the new corporation a reality.

Today, Johnstown Corp., thanks to the dedication of its employees and wise management practices, is back in the black and continuing to build upon this success.

Johnstown Corporation is a supplier of a wide range of high quality products for the iron and steel related industries. "Our modern equipment

coupled with our technical expertise enables us to be a leader in the manufacture of cast, fabricated, and machined products," Wilson, now Company President, said.

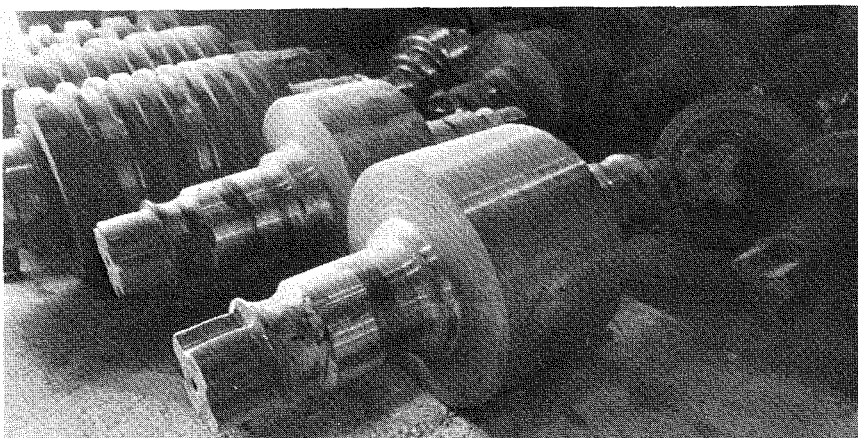
"We are a union shop, U.S.W.A., with a contract that expires in June of 1989. Our financial structure is unique in many ways. Employees will soon own 30% of stock at Johnstown and two union representatives sit on the board of directors.

Ideally, Johnstown Corp. aims for a 50-50 split between orders with steel companies and other industries, compared with a 90-10 split at the company's inception.

While the Johnstown Works once employed over 1,200 individuals during peak economic conditions while owned by United States Steel, Johnstown Corporation today employs 430 individuals.

While the hourly wages of the Johnstown Corporation are below the wages paid by United States Steel Corporation, employees have opportunities to participate in several areas of income, including profit sharing.

"Johnstown Corporation's commitment to quality and customer satisfaction has enabled us to reach \$24 million in sales during 1985. We are a growing company with innovative ideas committed to servicing our customers. We look forward to a continuing close relationship with Northwestern Steel and Wire," Wilson said.



**Johnstown Corporation supplies Northwestern with the majority of its mill rolls, such as these shown above. The two rolls in the foreground were manufactured at Johnstown Corporation.**

# Northwestern's Personnel Files

*Jo Schroeder*

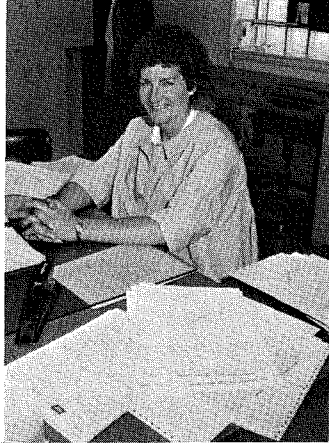
NSW welcomes Jo as a Data Processing Clerk.

Jo is not new to computers as she worked in the Data Processing Department at Wyffels Hybrids until the first of the year.

After leaving Wyffels, she worked at a variety of jobs through a temporary employee agency in the Quad Cities before coming to Northwestern.

She attended Blackhawk Community College in Moline where she studied secretarial skills. Jo, who lives in Erie, has three children, Andrew, 15, Sara, 13, and Jennifer, 10.

Jo said she likes to bike ride and work on ceramics at the family business in Erie.

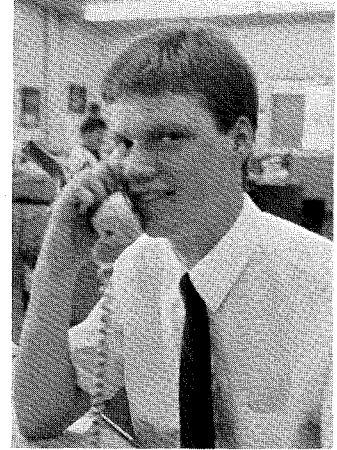


*Jim Gould*

Jim joins Northwestern's Steel Division Sales Department fresh from Western Illinois University from where he graduated this spring.

He will be servicing accounts in North and South Carolina and parts of Indiana, Kentucky, Tennessee, and Ohio. Jim has assumed the duties of **Jim Weaver**, who has recently been assigned as an outside salesman.

A native of Amboy, Jim currently lives there with his parents. He has a Bachelor of Arts Degree in Business Management with an emphasis on Marketing. Jim said he likes all forms of sporting activities.

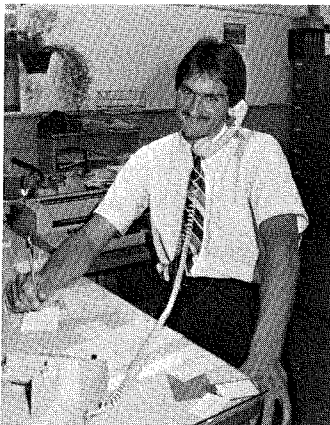


*Lonnie Fisher*

Lonnie becomes an inside salesman for the Wire Products Division at Northwestern Steel.

This is Lonnie's first job since graduating from Illinois State University this spring. Lonnie is learning the general operation of the department and has not yet been assigned a territory.

He is a graduate of Rock Falls High School and earned a Bachelor of Science Degree in Business Administration from Illinois State. Lonnie lives with his parents in Rock Falls and said he enjoys sports, particularly playing basketball and water skiing.



*Carol Heffelfinger*

Carol joins Northwestern's Data Processing Department as a Data Entry clerk.

She and her husband, Kenneth, who is an over-the-road truck driver for Northwestern, have four children - Tim, 18, who will be attending Northwestern University next fall; Ted, 17, and Tod, 16, both students at Sterling High School; and Tricia, 3.

Carol, who joined Northwestern in April, is not new to the Data Processing Department as she worked here in the late 1960's. She said she is kept busy attending sporting events with her active sons.



# Four Action Team Presentations To Cut Costs

Four Action Team presentations made to the Performance Improvement Council recently could save the Company a combined \$473,500 a year.

Members of the Primary Action Team No. 1 worked on the problem of reducing maintenance costs on the caster shipping crane due to the rotator coupling breaking or wearing out. After working on the problem, the team recommended using a different actuator arm on the rotator coupling.

Since this arm was installed, there have been no unusual problems with the rotator coupling. This action team recommendation will save about \$20,000 in maintenance costs on the caster shipping crane each year.

Supervisors on Primary Action Team No. 1 include **Jim Branch, Dan Willman, Cliff Powless, Gene De-Jarnette, Bob Jones, George Bilderback, Mark Babin, Gary Hinrichs, Tom Goss, Lyle Meiners, and Alvin Russell.**

Constant problems when rolling beams and channel on the 14-Inch Mill are the dust and scale around the breakdown and finishing straighteners. Members of the 14-Inch X Team came up with recommendations on how to reduce employee exposure to dust and fumes at the straighteners. The enclosure of the straightener rolls and use of a high powered vacuum system are the approaches that will be tried to resolve these problems.

Although the cost savings only amount to about \$3,500 per year, these recommendations will do much to reduce the amount of dust and scale that accumulate around the breakdown and finishing straighteners.

Members of the 14-Inch X Team are **Ken Ronzone, Arnold Rodriguez, Bob Eddinger, Paul Westerdale, Lyle Biller, Barney Shockley, Jim Lancaster, Chuck Rhode, Dennis Gipson, Gary Scott, Jack Cox, Jack Skrogstad, and Chuck Murphy.**

The 14-Inch Y Team made two presentations to the Performance Improvement Council. One presentation concerned the problem of bearings on the vertical edgers freezing up on the 14-Inch Mill.

The Team recommended that independent lubrication lines be installed so that the bearings on the top and bottom part of the edger will receive

lubrication. Heat sensors will be installed to indicate whether or not there is a significant increase in temperature to the bearings.

It was felt that a bearing operating at high temperature would indicate that something was wrong. These recommendations will save the Company about \$275,000 a year.

Members of the 14-Inch Y Team also



Receiving his 35-year service award recently was **Robert R. Anderson.** Presenting the award were **Chairman Emeritus W. Martin Dillon, (far left)** and **Chairman Peter W. Dillon.** Absent was **Louis Magana, who also received a 35-year service award.**



35-year service awards were recently presented by **W. Martin Dillon, Chairman Emeritus (far left), Chairman Peter W. Dillon (far right)** and **Robert M. Wilthew, Chief Executive Officer, (second row, far left).** Receiving the award were: (front row, from left) **Enrique S. Cavazos, Antonio M. Castillo; (second row) Charles L. Murphy, Vinus W. Williams, and Othel O. Osborn.**

made a presentation on how to reduce the maintenance costs on the 14-Inch Mill approach roll line. In particular, they addressed the problem of chains breaking and sprockets wearing out.

After looking at various ways to tackle this problem, the team recommended that the least expensive recommendation would be to extend the acceleration time on the mill approach roll line. This means that the steel bar would not enter the vertical edger with so much force.

So far, this recommendation has worked out very well. It is anticipated that this recommendation will save the Company about \$175,000 in reduced maintenance costs resulting from fewer chains breaking and sprockets wearing out on the mill approach line.

Members of the 14-Inch Y Team are **Max Knowles, Jim Hardt, Bill Fisher, Larry White, Wayne Lamb, Charlie Bosco, John Johnson, Ron Moffitt, Ellsworth Wolf, Gary Ege, John Sloninger, Chuck Hoyle, and Bob McDonald.**

All the supervisors on these three Action Teams deserve recognition for the time and work that they spent on solving the problems. The Management Action Team program is contributing to the reduction of waste in the steel division and in returning the Company to profitability.

## Best Retirement Wishes

Best wishes for a long and happy retirement are extended to the following employees who completed their years of service at Northwestern Steel and Wire Company as of July 1.

**Charles G. Baker, West Plant Machine Shop, 31 years.**

**David Doan, Providing, 31 years.**

**Eldon Schwieman, Def. Vested, 22 years.**

**Viola Yeazle, Nail Room, 16 years.**

**Kenneth Stage, Drawing Room, 15 years.**

**Donald Dickey, 12-Inch Cranes, 31 years.**

**Floyd Nelson, 14-Inch Finishing, 31 years.**

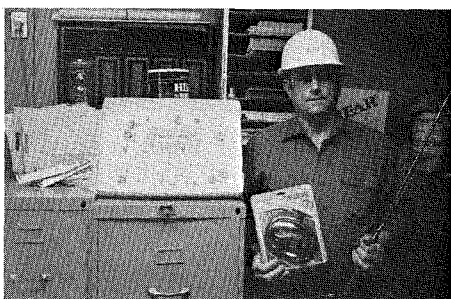
**Pablo Trevino, 24-Inch Mill, 33 years.**

**Kendall Wallingford, West Plant Machine Shop, 36 years.**

## Wendy Davis Retires After 30 Years Of Service



Wendy Davis and wife Nancy are shown displaying the cake given Wendy on his last day at Northwestern. Wendy retired following 30 years of service at Northwestern.



Donald Dickey recently retired from the 12-Inch Mill Shipping Department with 31 years of service. Donald was given a cake and rod and reel by employees. He said he plans to lay on the beaches, fish, and look at all the good scenery. Fellow employees said he was an excellent crane operator and they are going to miss him.

Wendy Davis' contribution to Northwestern Steel and Wire Company has taken on many forms during his 30 years of service.

Recently, Wendy has acted as Facilitator to the Labor Management Participation Team (LMPT) and Employee Involvement Team (EIT) programs at Northwestern. As Facilitator, Wendy's role has been vital in making these programs successful in increasing productivity at Plant 4.

"I am proud to have been involved with these programs. We have kept the programs together and have been successful in making a substantial savings to the Company in the projects that have been implemented," Wendy said.

He began at Northwestern as an Industrial Engineer and worked on such projects as designing the layout for the Office Annex Building and an initial layout for three electric furnaces.

Wendy's easy-going personality has made him well-known throughout the mills at Northwestern. In part, it was his personality that led P.W. Dillon, former Chairman of the Board, to request his services on a full time basis. Wendy worked for Mr. Dillon until his death.

Returning to Northwestern, Wendy was assigned as Administrative Assistant to Martin and Peter Dillon, and worked in that capacity until the LMPT/EIT Programs were im-

plemented in 1985.

Wendy said he is looking forward to his retirement and will spend much of his time traveling extensively with his wife Nancy.

"We are looking forward to following the professional golfers' tour and see as many sights as we can," Wendy said. "Eventually we will settle somewhere where it's warm."

Wendy and Nancy have four daughters - all of whom are married. Two live in Georgia, one lives in Minnesota, and one in Ohio. They also have four grandchildren. Three of their daughters are former employees of Northwestern.



Phil Haws (second from right) recently retired from the Rewind Shop with 21 years of service at Northwestern. Fellow employees in the Rewind, Air Conditioning, and Electronics Shops presented Phil with a cake and a plaque. Shown with Phil are (from left to right) Ed Struhs, Dave Hendrix and Merrill Johnson.

## 14 Years Later Tomato Cages Still Holding Up

Fourteen years after they were fabricated by a Northwestern-sponsored Junior Achievement Company, Bob Sutkay's tomato cages are still helping him produce tomatoes at a rate of a bushel a plant.

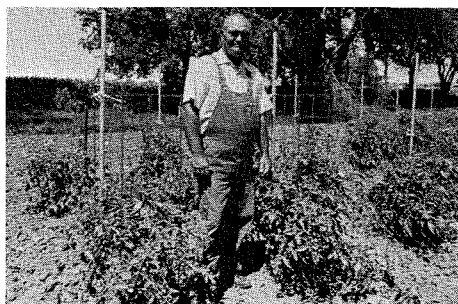
Junior Achievement is an organization which allows high school students to learn basic fundamentals of business by forming mock companies, and producing and selling a product.

While the Junior Achievement program no longer exists in the Twin-Cities, at one time there were several student "companies" - each sponsored by a local company.

Norwesco, the student company sponsored by Northwestern, fabricated tomato cages from No. 10 gauge galvanized mesh produced by NSW.

Apparently, at least some of them

are still in operation 14 years later. "I wish someone would make them again," Sutkay, who is manager at



Bob Sutkay in his garden, where some of the tomato cages he uses are 14 years old. The cages were made with 10 gauge wire produced by Northwestern and fabricated and sold by a Junior Achievement Company sponsored by Northwestern.

Wolohan Lumber Company in Sterling, said. "These cages are perfect for tomatoes. They keep the fruit off of the ground - so it won't rot - and they allow the plant to grow freely inside the cage."

Sutkay has 20 tomato plants, all caged, which produce about a bushel of fruit each. Sutkay said he purchased his earliest cages from Roger Wait, NSW's Office Manager of Wire Products Sales, and one of the Norwesco advisors - who was his next door neighbor at the time.

Sutkay said he is impressed with the design and quality of the cages. "These cages were made to be collapsible. They just fold up and take up minimal storage space. They are a little weather-worn, but they are still holding up fine."

# New Electrical System For 14-Inch Rolling Mill

Northwestern has ordered new electrical system equipment for the 14-Inch Mill which will help in reducing cobbles and allow for a higher quality product through closer tolerances.

The modernization of the 14-Inch Mill "power and control" for stands 5 to 19 is being designed by ASEA Industrial Systems, Inc., located in New Berlin, WI. The installation should be completed by mid-summer 1987.

The ASEA control system will provide increased material yield by reducing cobbles when changing the rolling program and during rolling. Improved utilization time of the mill will be possible through rapid and exact changes of rolling programs, reduced downtime due to cobbles, and tighter inter-bar spacing when rolling.

According to **Charles Bosco**, Chief Electrical Engineer for Northwestern, the entire cost of the project is expected to be \$3.5 million.

## Furnace Dept. Smashes Monthly Tonnage Mark

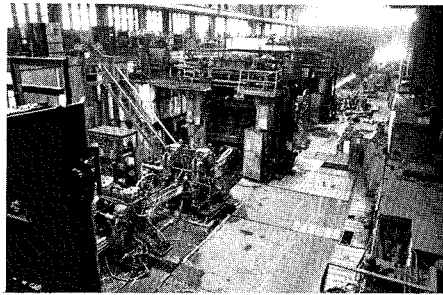
Members of the Electric Furnace Department should be congratulated for their efforts in contributing to a monthly production record in June.

The Electric Furnace Department produced 128,003.4 tons for the month, easily smashing the old mark of 126,636.4 tons set in October of 1985.



**Jack Henson** displays a cake given him by fellow employees at the Caster Department on his last day of work, while wife, **Betty**, holds a special plaque given him by fellow employees. **Jack** retires following 31 years at Northwestern. **Betty** is a Steel Division sales correspondent.

"ASEA's engineers are working in conjunction with Northwestern's engineering group on equipment layout and operating data," **Bosco** said. "ASEA will be using state-of-the-art



Shown is the 14-Inch Mill roll line where new electrical equipment to be installed there by mid-summer 1987 will allow the mill to roll a higher quality product through closer tolerances.

electronics. They have a good proven track record with five steel mill installations in the United States and many overseas."

The existing motor generator units will be replaced with individual thyristor power converters for each stand motor.

The coordinated individual drives allow more precise speed and tension control. High response drives lead directly to better transient performance. Digital control drives are more accurate than the present analog system currently utilized at the 14-Inch Mill. The new control will make it possible to produce products to a closer tolerance.

**Bosco** said equipment should begin arriving at Northwestern sometime this fall.

## \$1,560 Paid Out In June Under Suggestion Program

June was a banner month for Northwestern Steel and Wire Company's Employee Suggestion Program as a total of 12 suggestions were approved for implementation and a total of \$1,560 was paid out to employees.

The top monetary award of \$500 was given to **Filemon Sandoval**, Wire Mill Drawing Department, for his suggestion to install agitators in drawing bull block lubricant boxes. It was estimated that this suggestion will save the Company at least \$5,000 the first year in fewer rejects and in increased production.

**Luis Salmon** and **David Barajas**, Nail Room Production, split a \$150 merit award given them for a joint suggestion to install a chain hoist to change nail galvanizing magnetic motors.

**Kenneth "Pat" Farley**, Caster Department, received a \$75 merit award for his suggestion to install digital temperature read-outs for tundish pourers.

**Robert Rank**, 12-Inch Mill, received a \$50 safety award for his suggestion to put guards on rollers on the 12-Inch Mill Manual Compactor Ram.

**William Baughman** and **Donald Winkler**, Plant 2 Millwrights, shared a

\$50 merit award for their suggestion to clean the grease out of the 12-Inch Mill spindles and lubricate them instead with oil.

**Douglas Harms**, Plant 2 Millwright, received a \$50 safety award and two \$25 merit awards. The safety award was given to Harms for his suggestion to install side mirrors on 12-Inch Mill pole tractors.

He also received merit awards for suggesting that welders ground looper troughs before welding pin keepers and that grease zerks be installed on pinch roll drive spindles.

**Everett Yates**, Wire Mill Netting, received a \$25 safety award for suggesting that fire extinguishers be installed on 14-Inch Mill side loaders.

Three other suggestions totaling \$610 previously reported in the June *Lightning Bolt* were also awarded in June.

There were three suggestions submitted from the wire division and 16 suggestions submitted from the steel division in June for a monthly total of 20.

There were 12 suggestions approved and 24 rejected in June. A total of 89 suggestions remained open as of July 1.

# Company, Union Employees Tour Fabricating Plants

A joint group of hourly and salaried personnel recently toured two wire fabricating facilities to familiarize themselves with their operations and to see how our competitors are packaging rod.

The group, consisting of 12-Inch Rod and Bar Mill management personnel - **Dick Friel**, General Foreman of Production; **Roger Larson**, General Foreman of Inspection, and **Randy Wolber**, Foreman - and hourly personnel - **Leo Lewis**, 12-Inch Rod Block, and **Mike Mason**, Shipping and Finishing - toured Wire Sales Company and Gilbert and Bennett in Chicago recently.

The visit was initiated by **Vern Johnson**, Manager of Sales - Hot Rolled Products, who had recently visited these plants. Final arrangements for the tour were made by **Ray Bauer**, NSW's territory representative in the Chicago area, who accompanied the group on the tour.

The tour gave the group insight into the operation of the fabricating facilities and, in addition, information was gained on the packaging of rod by our competitors which may be helpful to us in the future.

The group viewed packaging by Georgetown Steel, Raritan River, North Star, and LaCleda, as well as some imports. Larson said that all of these competitors are packaging rod in very tight coils.

In addition to being very informative, the tour allowed both salaried and hourly personnel a chance to formulate future plans for rod packaging and shipping requirements.



A group of Company personnel and USW Local 63 members toured Wire Sales Company and Gilbert & Bennett, two wire fabricators, to familiarize themselves on how competitors are packaging rod. They are, left to right, : **Randy Wolber**, foreman; **Leo Lewis**, USW member; **Ray Bauer**, NSW territory representative; and **Roger Larson**, General Foreman of Inspection.

## Fleet Efficiency/Productivity Meeting Held

A Company/Union Fleet Efficiency and Productivity Meeting was held Saturday morning, May 10, 1986. These are semi-monthly meetings of Company and Teamster representatives to address areas of mutual concern and are directed at subjects that are not grievances or other items subject to negotiations.

On May 10, representatives for the over-the-road fleet drivers, the shipping departments, the sales departments, the transportation department, and the dispatchers and weighmasters met and discussed various problems and concerns.

Present in this meeting were: **Larry Sullivan**, **Bob Martin**, **Merlyn Bruns**, **Al Humphrey**, **Terry Burren**, **John Leopard**, **Randall Lathrop**, **John Stiles**, **Steve Harris**, **John Hurley**, **Dan Heller**, **Jack Dohse**, **Roger Wait**, **Larry Mangan**, **Lanny Munz**, **Chuck Bennett**, **Ken Haverland**, **Dieter Meinen**, **Ray Lowrie**, **Ken Church** and **Jim Lancaster**.

Future meetings will involve other departments and employees that interface with the operation of the fleet. This is another employee involvement program that is contributing to a more efficient and productive operation.

## Northwestern's Story Highlighted

(continued from page 6)

effort has been backed up with a strong and determined staff with all the necessary disciplines."

The second portion of what Wilthew set out to accomplish was to return production costs to a level which would allow the Company to compete. In the first quarter of fiscal 1986 it cost Northwestern \$112 less and one-third fewer man-hours to produce a ton of steel than it had the year before.

"This might lead you to two conclu-

sions," says Wilthew. "Either, 'We did a great job,' or 'Were we really that bad?' You can look at it either way or both ways, but that's the kind of job we had to do to become competitive."

And the job is still continuing. "We have it nailed down almost to the last buck," Wilthew said. For the first time, the Company is able to isolate each product's marginal contribution to profit through computer-generated analyses. Less profitable items are considered for inventory reduction or

possible elimination; higher profit items, such as beams, channels, and heavier flats and angles, receive an enhanced sales effort.

Northwestern's objective is to sell the yield of its 2.4-million-ton capacity. This is the end to which all of the last year's activity has been directed; the end to which Wilthew has been pushing since his arrival, and, he says, an end which is now foreseeable.

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# Northwestern's May Anniversaries

## 35-Years

**Othel Osborn**, 5/23/51, 12-Inch Finishing.

## 30-Years

**Arden Weaver**, 5/1/56, Ornamental

**James Simmons**, 5/7/56, Electro-Weld

**Richard Gors**, 5/15/56, Security

**Roy Cooper**, 5/21/56, Plant 4 Drawing

## 25-Years

**Arthur Mendoza**, 5/2/61, Plant 2 Pipefitters

**Charles Druce**, 5/2/61, Plant 2 Electrical

**David Jacobson**, 5/2/61, Mat Dept.

**Lloyd Graham**, 5/2/61, Plant 4 Shipping

**James Bunch**, 5/3/61, Mat Dept.

**Edward Munson**, 5/4/61, Plant 5 Electrical

**Leslie Finkle**, 5/4/61, Plant 3 Inspection

**Edward Struhs**, 5/5/61, Plant 2 Electrical

**Eddie Sandoval**, 5/6/61, Plant 2 Welders

**Keith Francis**, 5/6/61, Plant 2 Millwrights

**Beverly Reed**, 5/8/61, Salaried, Data Processing

**Duard Wolfe**, 5/9/61, Salaried, Plant 2 Electrical

**Arthur Pursell**, 5/12/61, Plant 2 Welders

**Johnie Leopard**, 5/15/61, Over-The-Road Truck Driver

**Donnell Alcorn**, 5/16/61, Scrap Yard

**Kenneth Balsley**, 5/19/61, Plant 2 Millwrights

## 20-Years

**Danny Kindle**, 5/2/66, Salaried, Wire Products Territory Salesman

**Herschel Deadmond**, 5/3/66, Die Reaming

**Kenneth Asbury**, 5/4/66, Plant 1 Pipefitters

**Donald Zinke**, 5/7/66, Scrap Yard

**Berniece Martens**, 5/16/66, Wire Mill Drawing

**Jack Carroll**, 5/24/66, Salaried, Data Processing

## 15-Years

**Jack Guerrero**, 5/5/71, 12-Inch Finishing

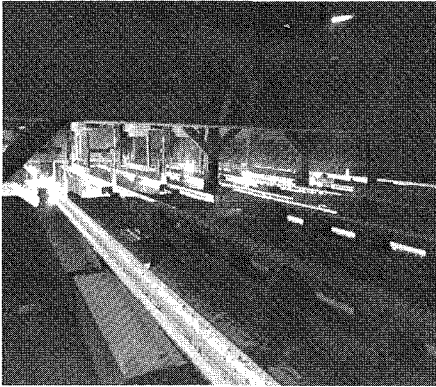
**Paul Feldthouse**, 5/26/71, Security

**David McGee**, 5/30/71, 24-Inch Mill

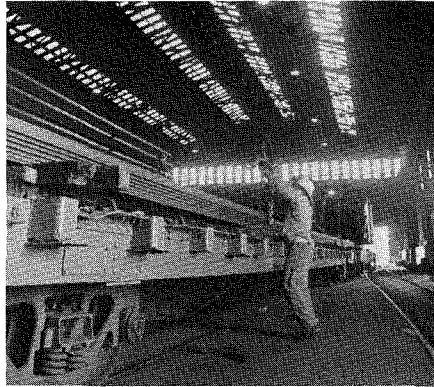
**James Rumley**, 5/30/71, Electro-Weld

**Thomas Cox**, 5/30/71, Scrap Yard

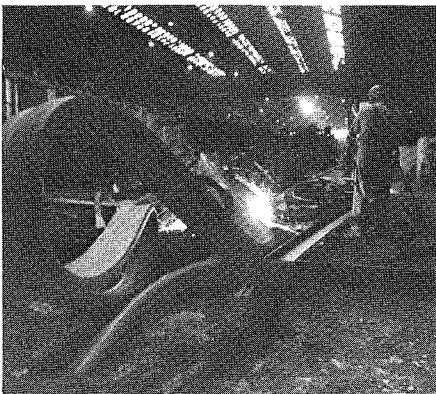
## Roaming The Mills



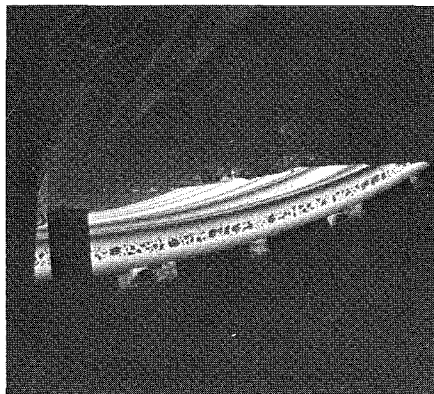
Northwestern's billet caster



Hard At Work At The 14-Inch Mill



Whoops. A cobble sometimes occurs



Beam blanks on NSW's bloom caster



A monster crane